**Graphing Calculator Scavenger Hunt**

1. Press 2nd + ENTER What is the ID# of your calculator?

2. For help, what website can you visit?

3. a. What happens to the screen when you push 2nd ▲ over and over?

b. 2nd ▼ over and over?

4. ∧ is called the "carot" button, and is used to raise a number to a power. Find 65.

5. To square a number use x2 What is 562?

6. To cube a number, press MATH and select option 3. What is 363?

7. Press 2nd Y= to access the STAT PLOTS menu, how many stat plots are there? Which option turns the stat plots off?

8. Press STAT which option will sort data in ascending order? What do you think will happen if option 3 is selected?

9. What letter of the alphabet is located above  ?

10. To get the calculator to solve the following problem 2{3 + 10/2 + 62 – (4 + 2)}, what do you do to get the { and } ? The answer to the problem is?

11. To solve a problem involving the area and/or circumference of a circle, which calculator key(s) would you most likely use?

12. Use your calculator to answer the following:

a. 2 x 41.587

b. 2578/4

c. 369 + 578

d. Now press 2nd ENTER two times. What pops up on your screen?

e. Arrow down and change the 4 to a 2. What answer do you get?

f. How will this feature be helpful?

13. What happens when the 10x and 6 keys are pressed?

14. a. The STO→ button stores numbers to variables. To evaluate the expression, press 9 STO→ ALPHA MATH ENTER to store the number 9 to A. Repeat this same process if B = 2 and C = 1, then evaluate the expression by typing in the expression  and pressing ENTER.

b. Is it faster just to substitute the values into the expression and solve the old- fashioned way with paper and pencil?

c. When might this feature come in handy?

15. a. Press 2nd 0 to access the calculator's catalogue. Scroll up, to access symbols. What is the first symbol?

b. What is the last symbol?

16. a. Press 2nd 0 to access the calculator's catalogue. An “A” appears in the top right corner of the screen. This means the calculator is in alphabetical mode. Press ) . What is the 5th entry in the L's?

b. What do these letters stand for?

17. a. Press MATH, what do you think the first entry will do?

b. Now press CLEAR , then press 0 . 5 6 MATH and select option 1. What answer

do you get?

18. Press 4 MATH, choose option 5, then press 1 6 and ENTER . What did this option

do?

19. Which function allows you to send/receive data/programs?

20. a. Press Y= type in 2x – 1. Press ZOOM then select 6, press MODE, arrow to the

bottom and arrow over to G-T and press ENTER. Now press GRAPH. What appears on

the screen?

b. Press MODE and scroll down to Full and press ENTER to restore to full screen.

c. Press WINDOW. Change the values one at a time to see what each one does.

21. a. Press 5   9 ENTER. Press 2 to go to the error. The cursor should be blinking on the second /, press DEL ENTER. What answer did you get?

b. Convert this number to a fraction.

22. a. Enter this problem into the calculator and press ENTER. 2.4 x 3.7

b. Now press MODE ▼ Float ► to 0 and press ENTER.

c. Now press 2nd Quit to return to the home screen and press 2nd ENTER and the original problem should appear on the screen, now press ENTER. What appears on the screen?

d. Think about this number in relation to the answer you got before. What did the calculator do?

e. Repeat this same process except select 2 under the Float option. Return to the home screen, recall the original problem and press ENTER. What number appears on the screen?

f. What did the calculator do this time?

23. a. Enter (-2)2 into the calculator, what answer did you get?

b. Now enter –22 into the calculator, what answer did you get this time?

c. Why do you think you got two different answers?

d. Would (-2)3  and –23 give you two different answers? Why or why not?